

CLAIMS

We claim:

- sub A¹ →
- sub A² →
- sub A³ →
1. A composition of matter comprising an isolated polypeptide shown in SEQ ID NO:2 or variants thereof.
 2. The composition of claim 2, further comprising a carrier.
 3. An article of manufacture comprising packaging material and, contained within the packaging material, a polypeptide shown in SEQ ID NO:2 or variants thereof.
 4. The article of manufacture of claim 3 wherein the packaging material comprises a label that indicates that the polypeptide can be used for the identification of Ehrlichia infection in a mammal.
 5. The article of manufacture of claim 4, wherein the identification of an Ehrlichia infection is done using a method of detecting presence of antibodies to Ehrlichia comprising:
 - (a) contacting a polypeptide shown in SEQ ID NO:2, or variants thereof, with a test sample suspected of comprising antibodies to Ehrlichia, under conditions that allow polypeptide/antibody complexes to form;
 - (b) detecting polypeptide/antibody complexes;wherein the detection of polypeptide/antibody complexes is an indication that an Ehrlichia infection is present.
 6. The article of manufacture of claim 4, wherein the Ehrlichia infection is caused by *Ehrlichia canis* or *Ehrlichia chaffeensis*.